Work Order ID 64021

Tuesday, November 23, 2010 8:04:52 AM



Page 1

Item ID: D3953-17 Accept Setup Start Revision ID: Stop Gas Spring Spacer Item Name: **Start Date: Start Qty: 10.00** 11/23/2010 **Cust Item ID: Required Date:** 11/30/2010 Req'd Qty: 10.00 **Customer:** Reference: Run Start Approvals: Tooling: Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Tool ID Set Up/ Tool # Plan Reject Accept Reject Insp. Work Center ID Description Qtý **Run Hours** Number Stamp Code Qty **Draw Nbr Revision Nbr** D3953 C 100 0.00 LB 10-11-23 Waterjet 0.00 Memo FLOW CNC Waterjet 1-Cut as per Dwg D3953 Dwg Rev: Prog Rev: 2-Drill holes as per dwg 3-Deburr if necessary 110 QC2- Inspect parts off machine FAI/FAIB

Quality Control

0.00

Hz 10-11-23

Memo

0.00

W/O:			WORK ORDER CHANGES							
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Approval Chief Eng / Prod Mgr	g/ Approvar			
			•							
				:						
		-								
Part No	:	PAR #:	Fault Ca	tegory:	_ NCR: Yes	No DQ	A:	Date: _		
		esolution:								
NCR:		V	WORK OR	DER NON-CONFORMA	NCE (NCF	R)				
DATE	CTED	Description of NC		Corrective Action Secti		Verific	cation	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		on C	Chief Eng	QC Inspector	
								-		
·				•						
									79	
						-		-		

Work Order ID 64021

Tuesday, November 23, 2010 8:04:52 AM



Item ID:

D3953-17

Accept

Setup Start



Revision ID:

Item Name:

Gas Spring Spacer

Start Date:

11/23/2010

Start Qty: 10.00

Required Date: 11/30/2010 Req'd Qty: 10.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

_____ Date: _____ Tooling:

Date:_____

SPC (Y/N):

Date:

Date:

Run

Start

Stop

Sequence ID/

Work Center ID

120

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

Set Up/ Run Hours

ردلداءع

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

0.00

0.00



Small Fab

130

Memo

1- OPEN HOLES AS PER DWG

2- DEBURR IF NECESSARY

140

QC5- Inspect part completeness to step on W/O

0.00

8 iom lzy

QC '

Quality Control

Memo

W/O:			W	ORK ORDER CHANG	GES					A -
DATE	STEP	PRO	OCEDURE CHA	ANGE		Ву	Date	Qty	Approval Chief Eng /	Approval QC Inspector
									Prod Mgr	as moposion
···										·
Part No	:	PAR #:	Fault Cate	egory:	NCR	: Yes	No DQA	\:	_ Date: _	
	Re	esolution:	Disposition	on:	QA:	N/C CI	osed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE	(NCR	()			
		Description of NC		Corrective Action Sec	ction B		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section		Chief Eng	QC Inspector
					:					
	,				į					
									ļ	

Work Order ID 64021

Required Date: 11/30/2010

Tuesday, November 23, 2010 8:04:52 AM



Item ID:

D3953-17

Accept

Setup Start



Revision ID:

Item Name:

Gas Spring Spacer

Start Date:

11/23/2010

Start Qty: 10.00

Operation

Description

Req'd Qty: 10.00



Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

QC: ____

Date: _____

Date:____ Tooling:

SPC (Y/N):

Date: Date: Run

Start

Stop

Stop

Sequence ID/ **Work Center ID**

150

Packaging

Memo

Identify as per dwg & Stock Location: / > /

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

Packaging

160

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

W/O:			W	ORK ORDER CHANG	ES			£		
DATE STEP		PRO	CEDURE CHA	NGE	Ву	Date Qty	Qty Approval Chief Eng / Prod Mgr QC			
						·				
Dort No.	_	DAD #-	Fault Oata		NOD: Vac	No DOA	Data			
Part No		PAR #:								
	K	esolution:					Date: _			
NCR:			WORK ORD	ER NON-CONFORMA	ANCE (NCH	i)				
DATE	STEP	Description of NC	Initial	Corrective Action Section Action Description	on B Sign &	Verification	Approval	Approval		
	Section A	Section A	Chief Eng	Chief Eng	Date	Section C	Chief Eng	QC Inspector		

Picklist Print

Tuesday, November 23, 2010 8:04:56 AM

Work Order ID: 64021

Parent Item:

D3953-17

Pare: Item Name: Gas Spring Spacer



Start Date: 11/23/1010

Required Date: 11/30/2015

Page 1

Start Qty: 10.00

Required Qty: 10.00

Comments:

IPP RevA: New issue DD verified by:EC revC DD 10.03.02 verified by:EC

IPP Rev:B as per dwg

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304B0.375X03.000	188 UUU 1888 BUU 1818U BALBA	Purchased	No			100	f	10.3000	0.03125	0.328947	١,		
										ΔN	10-11-	72	

M304 SS bar .375 x 3.00

Location		Loc Oty	Loc Code	
MAT53		10.3		
	115389	10.3		1123

W/O:			WO	RK ORDER CHANGI	ES	····			
DATE	STEP	PRO	PROCEDURE CHANGE				Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	jory:	NCR: Yes	No DQ	A:	Date:	
	R	esolution:	Disposition	ı:	_ QA: N/C (Closed:		Date: _	
NCR:			NORK ORDE	R NON-CONFORMA	NCE (NC	R)			
		Description of NC	Corrective Action Section B	Approval	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sect	ion C	Chief Eng	QC Inspector
					ļ				
					ļ			1	
						ļ		!	

DART AEROSPACE LTD	Work Order:	44021
Description: Gas Spring Spacer	Part Number:	D3953-17
Inspection Dwg: D3953 Rev: C		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article		Prototype
-----------------	--	-----------

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.194	+0.005/-0.001	-195	&		V 1302	
0.375	+/-0.010	,378	ନ୍ଧ		V	
0.625	+/-0.010	.633	%		V	
138	+/-0.030	1.394	8.		V	
0.38	+/-0.030	378	<i>></i>		V	
0.75	+/-0.030	.755			V	
0.38	+/-0.030	375	ب		V	
,						
				•		
				-		
					·	
						,
	,		_			

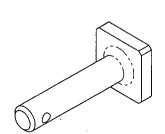
Measured by:	Audited by:	Prototype Approval:	N/A
Date: (6-(1-33	Date: 1011/23	Date:	N/A

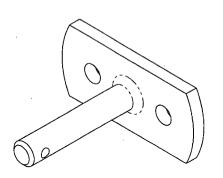
Rev	Date	Change	Revised by	Approved
A	09.10.22	New Issue	KJ ,	
В	09.12.14	Dwg Rev updated	KJ 🐪	M

SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY UNCONTROLLED CUPY
SUBJECT TO AMENDMENT
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. - UHO21PRO-11-23



D









D3953-1 GAS SPRING BRACKET (FULL LID)

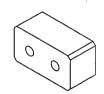
D3953-3 GAS SPRING STUD, LID

D3953-5 GAS SPRING STUD, BASE

D3953-7 GAS SPRING SPACER

D3953-9 GAS SPRING WASHER C











D3953-11 GAS SPRING SPACER

D3953-13 GAS SPRING SPACER (FULL LID)

D3953-15 GAS SPRING BRACKET (SPLIT LID)

D3953-17 GAS SPRING SPACER (SPLIT LID)

D3953-19 GAS SPRING BRACKET (SQUARE BASKET)

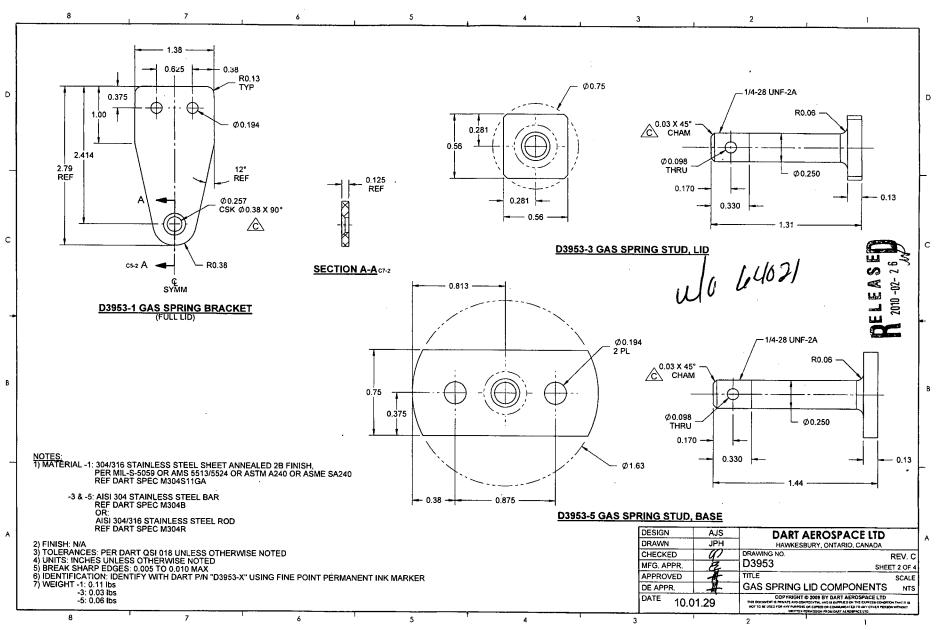




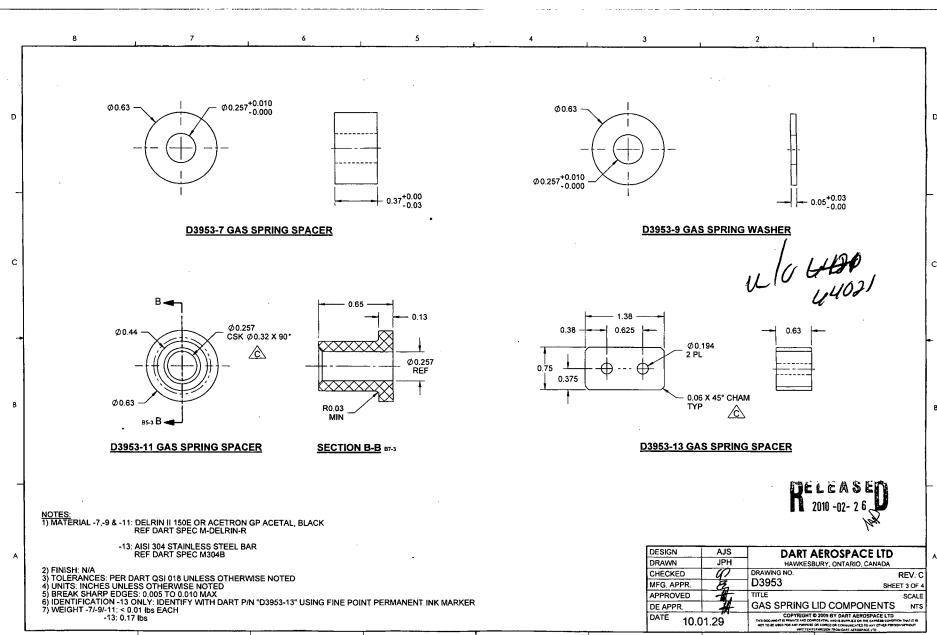
С	PARTS -19 & -21 ADDED (SHT 1& 4), CSK CALLOUT WAS CHAM (C6-2, B6-3, C6-4); © SYMM WAS © SYM BBOUT (C7-2, C7-4); SECTION C-C REPOSITIONED TO B2-4 REASON: ADDL PARTS REQD; DRAFTING ERRORS	JPH	10.01.29
В	SHEET 3 ZONE C1, DIM 0.05 MIN WAS 0.13, MULTIPLE DIMENSIONS MINMAX REMOVED TOLERANCE ADDED, REASON: DIFFICULTY INSTALLING COTTER PIN AT NEXT ASSY.	AJS	09.11.11
Α	NEWISSUE	AJS	09.07.27
REV.	DESCRIPTION	BY	DATE

DESIGN	AJS	DART AEROSPACE LTD						
DRAWN	JPH	HAWKESBURY, ONTARIO, CANADA						
CHECKED	9	DRAWING NO.	REV. C					
MFG. APPR.	E	D3953 SHEE	T 1 OF 4					
APPROVED	-	TITLE	SCALE					
DE APPR.	#	GAS SPRING LID COMPONENTS	NTS					
DATE 10.0	1.29	THIS DOCUMENT IS PRIVATE AND CONTROLLY AND IS SUPPLIED ON THE EXPRESS CONDITION TO BE USED FOR ANY PURPOSE OF COPED OR COMMUNICATED TO ANY OTHER PERSON.						

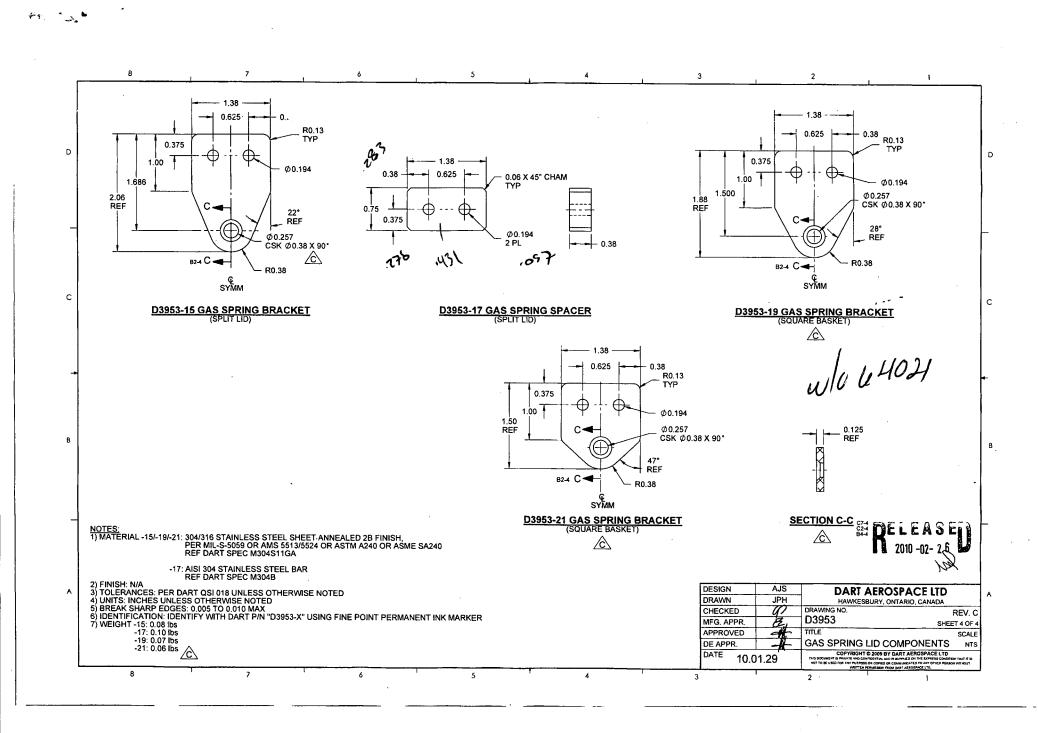
W/O:		WORK ORDER CHANGES									
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
								, roa mg.			
		PAR #:									
	Re		lution: Disposition:								
NCR:		\	WORK OR	DER NON-CONFORMA	ANCE (NC	R)					
DATE	STEP	Description of NC	Initial	Corrective Action Section	verification				Approval		
		Section A	Chief Eng	Action Description Chief Eng	Date		tion C	Chief Eng	QC Inspector		
						-					



W/O:			WC	ORK ORDER CHANGE	ES						
DATE	STEP	PROCEDURE CHANGE					ate Qt	y Approval Chief Eng / Prod Mgr	Approval QC Inspector		
							İ				
			·						}		
Part No:		PAR #:	Fault Category: NO			CR: Yes No DQA: Date:					
Reso		esolution:	Disposition: Q			Close	ed:	Date: _			
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NC	R)					
DATE	0750	Description of NC	Corrective Action Section B				Verificatio	n Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng			Section C	Chief Eng	QC Inspector		



W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
			· · · · · · · · · · · · · · · · · · ·									
									-			
Part No:		PAR #:	Fault Cate	NCR: Yes	No DQ	A:						
		solution:										
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NC	R)	**************************************					
DATE	STEP	Description of NC	1. 1.1.	tion B			Approval	Approval				
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector			
						į						



Dart Aerospace Ltd	D	art	: A	er	os	pa	се	Ltd
---------------------------	---	-----	-----	----	----	----	----	-----

	•											
W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE					Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
							-t					
						·						
Part No:		PAR #:	Fault Cate	_ NCR	: Yes I	A :	_ Date: _	:				
	Re	solution:	Disposition:			N/C CId		Date:	· · · · · · · · · · · · · · · · · · ·			
NCR:		·	WORK ORE	ER NON-CONFORM	ANCE	(NCR)			, t		
DATE	STEP	Description of NC	Corrective Action Section B			— Ciam o Verificatio						
	0.0.	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti	on C	Chief Eng	QC Inspector		
									.	4		
				· · · · · · · · · · · · · · · · · · ·								